

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A, 333 Guadalupe Street, P.O. Box 149104, Austin, Texas 78714-9104  
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## PRODUCT EVALUATION

WIN-1550

Effective Date: March 1, 2012

Reevaluation Date: **April 2014**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**Series V-630 Vinyl Fixed Casement Windows, Single and Field Mulled, Small Missile Impact Rated,**  
manufactured by

**WinDoor Incorporated**  
**7500 Amsterdam Drive**  
**Orlando, Florida 32832**  
**Telephone: (407) 481-8400**  
**www.windoorinc.com**

### General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Series V-630 Vinyl Fixed Casement Window; O	F-HC80 72x78 ASTM E 1886 ASTM E 1996	+80/-130
2	Series V-630 Vinyl Fixed Casement Window; OOO	F-HC80 221x78 ASTM E 1886 ASTM E 1996	+80/-90

### Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	72" x 78"	One: 65 $\frac{5}{8}$ " x 71 $\frac{3}{4}$ "
2	221 $\frac{1}{2}$ " x 78"	Three: 65 $\frac{5}{8}$ " x 71 $\frac{3}{4}$ "

**Product Identification:** Two certification program labels (Keystone) will be affixed to the assembly. The certification program labels include the manufacturer's CAR number; product name; performance characteristics; and the approved inspection agency (Keystone). One label includes the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05. The second label includes the following applicable standards: ASTM E 1886-05 and ASTM E 1996-05.

Each certification label contains a Certification Authorization Report (CAR) number located on the top right side of the label and a model name for the window. The following CAR numbers and model names are located on each label:

**Label Identification:**

		Certification Authorization Report (CAR) number	
System	Model	Label with AAMA/WDMA/CSA 101/I.S.2/A440-05	Label with ASTM E 1886-05 / ASTM E 1996-05 Missile Level A
1	V-630 PVC Impact Fixed Window	167-437	167-251
2	V-630 PVC Impact Triple Fixed Mulled Assy OOO	167-432	167-249

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at <b>30 feet or higher</b> above grade on the structure as long as the design pressure rating for the assemblies is not exceeded.

**INSTALLATION INSTRUCTIONS**

**Design Drawing:** The windows shall be installed in accordance with Drawing No. 08-01129, REV A, titled "Series V-630 PVC Single and Field Mulled Casement Window – SMI," sheets 1 through 8 of 8, dated November 8, 2010, signed and sealed by Luis R. Lomas., P.E on January 31, 2012. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Wall Framing Construction:** The windows may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 2,000 psi)
- Hollow concrete block (ASTM C-90, Grade N, Type 1 (or greater))
- Wood dimension lumber (minimum Spruce-Pine-Fir)
- Wood backed (minimum Spruce-Pine-Fir) minimum 20 gauge steel, 0.036" minimum.

**Installation:**

- Refer to Sheets 1 of 8 and 2 of 8 of the approved drawings for the anchor layout and notes.
- Refer to Sheets 4 of 8 thru 7 of 8 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.